Jie Bao

Personal Information

Address: Montreal, Quebec, Canada
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Jie is a professional data engineer and part-time student at MILA. Lifelong learning :)

Computer Skills

Python, Tensorflow, Matlab, Linux, SQL, Source code control - Git, LaTeX

Education

Current | **Mila - Université de Montréal**, Montreal, Quebec, Canada
Computer Science Master Student (Part-time)
Data Science, Big Data, Computer Graphics and Reinforcement Learning

2015 - 2021 | **Concordia University**, Montreal, Quebec, Canada
Thesis: Deep Learning for Turbulence Modeling
Master of Applied Science, GPA: 4.0/4.3
Bachelor of Engineering, Aerospace Engineering

Applied Machine Learning - COMP551 (McGill Campus IUT), *Grade: A*

Work Experience

Current | **Data Engineering Specialist I**, CAE
DnAI - MDA

2021 | **Flightlink Engineer**, Airbus
A220 - Skywise

Analyze and create test reports. Follow-up with clients and suppliers. Data analytics for predictive maintenance using Python(Tensorflow). Build analytical dashboards on A220 fleet performance metrics. Such as fleet availability statistics for other engineering groups.

2019-2021 | **Graduate Student Researcher**, Computational Aerospace Lab
Turbulence Modeling Technique using Machine Learning Techniques

Performed feature quality analysis using algorithm such as Relief. Data cleaning, acquisition and analysis using Matlab and Python. Created an end-to-end ML training pipeline for turbulent production and dissipation values. Achieved over 90% R^2 accuracy. Currently, working on analysing the NACA 0012 airfoil. Check out the progress on website and my other works.

Languages

French:, English:, Chinese (Mandarin): Fluent
German: Basic Knowledge

Interests and Activities

World History, Cross-country and alpine skiing, Avid Tennis player, Skateboard (Pint Onewheel)